

# **SPEAR & JACKSON**

## **Wide Band Saws**

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## **Gang Saws**

*"The Saw Without a Flaw"*

# **SPEAR & JACKSON (U.S.) INC.**

**EUGENE, OREGON, U.S.A.**

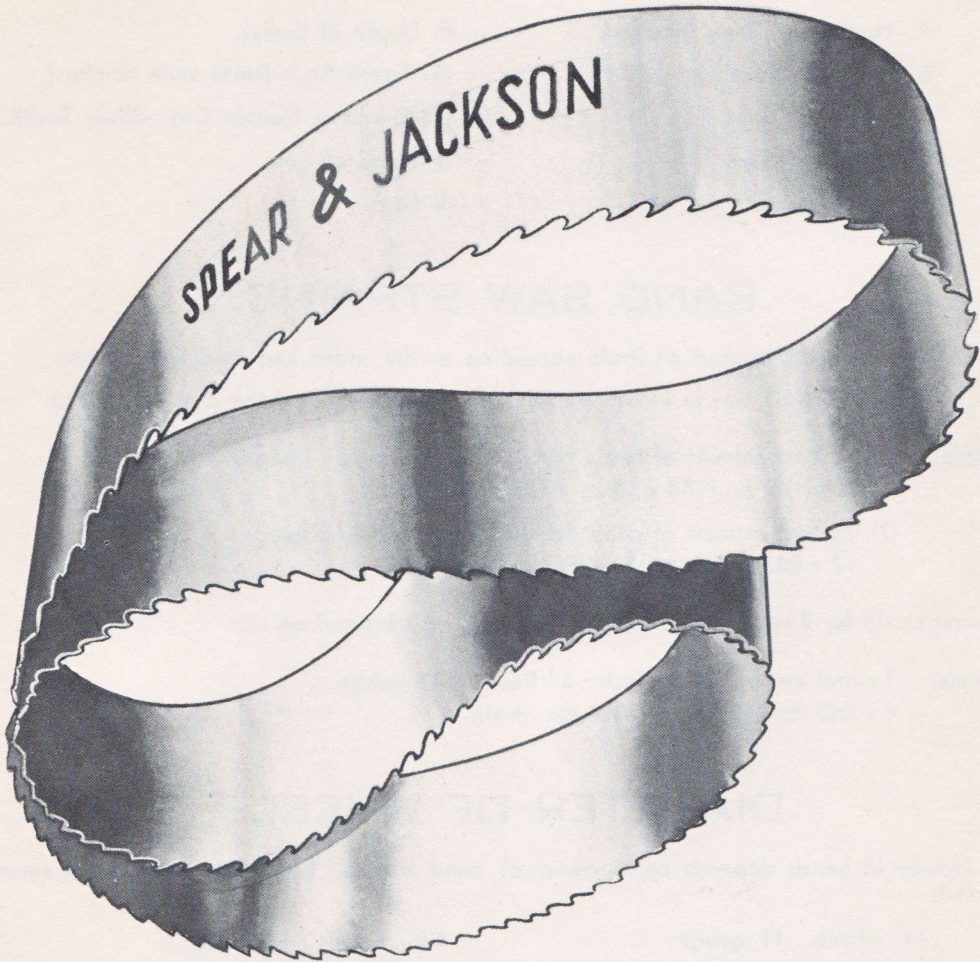






*Spear & Jackson*

## WIDE BAND SAWS



Spear & Jackson Band Saws can be counted on to perform with the best. Into them go the finest steel obtainable and a quality of workmanship in welding, swaging, grinding and tensioning, gained from years of sawmaking experience.

Spear & Jackson Band Saws are custom-made to your exact specifications at our factory.

*"The Saw Without a Flaw"*



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## WIDE BAND SAWS

Instructions for ordering . . .

WHEN ORDERING SPEAR & JACKSON BAND SAWS BE SURE TO SPECIFY:

- |                             |                                       |
|-----------------------------|---------------------------------------|
| A. Number of Saws required. | F. Depth of Gullet.                   |
| B. Width of Saw.            | G. Tooth Style (state style number).  |
| C. Gauge of Saw.            | H. Single or Double Cut—Sliver Tooth. |
| D. Length of Saw.           | I. Hand of Saw.                       |
| E. Tooth Space.             | J. Back.                              |

## BAND SAW STRAINS

To find standard amount of strain according to the width and thickness of saw:

"Multiply width of saw in inches by thickness in 1/1000" and the product by ten."

Example: (1) To find amount of strain for 16" Band Saw—12 gauge.

$$16 \times 109 = 1744 \times 10 = 17,440 \text{ lbs. strain.}$$

(2) To find amount of strain for 12" Band Saw—14 gauge.

$$12 \times 083 = 996 \times 10 = 9960 \text{ lbs. strain.}$$

Figuring strain for Resaws, use a common multiple of 8 instead of 10.

Example: To find amount of strain for 6" Resaw—19 gauge.

$$6 \times 042 = 252 \times 8 = 2016 \text{ lbs. strain.}$$

## DIAMETER OF WHEELS

Gauge of bands depends on diameter of band wheels. The following table is recommended:

11' wheels	11 gauge	4'6" wheels	18 gauge
10' "	12 "	4' "	18 "
9' "	13 "	3' "	19 "
8' "	14 "	3' "	20 "
7' "	15 "	2'6" "	21 "
6' "	16 "	2'6" "	22 "
5' "	17 "		

However, it is quite practical to run saws one gauge thicker than above: the cut per day will be more but the saws will be more liable to crack. Some operators run saws two gauges heavier than list, but this is not recommended.

Standard crown for wide band saws 1/64" in 5'.

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## STANDARD OF CIRCLES

WIDTH	GAUGE	CIRCLE
16" Single Cut.....	11	45'
16 Single Cut .....	12	40'
16 Double Cut .....	11-12	40'
15 Single Cut .....	11-12-13	40'
14 Single Cut .....	12-13-14	40'
14 Double Cut .....	12-13-14	40'
13 Single Cut .....	12-13-14	40'
13 Double Cut .....	12-13-14	40'
12 Single Cut .....	13-14	40'
12 Double Cut .....	13-14	40'
12 Single Cut .....	15-16	40'
12 Double Cut .....	15-16	40'
11 Single Cut .....	13-14	40'
11 Double Cut .....	13-14	40'
11 Single Cut .....	15-16	40'
10 Single Cut .....	14-15-16	40'
10 Single Cut .....	17	40'
9 Single Cut .....	15-16-17	36'
8 Single Cut .....	15-16-17	36'
8 Single Cut .....	18-19	32'
7 Single Cut .....	16-17-18	32'
7 Single Cut .....	19-20	32'
6 Single Cut .....	16-17-18	32'
6 Single Cut .....	19-20	32'
6 Single Cut .....	21-22	32'
5 Single Cut .....	18-19	32'
5 Single Cut .....	20-21-22	32'
4½ Single Cut .....	23	32'
4 Single Cut .....	18-19-20	32'
4 Single Cut .....	21-22-23	32'
3" and under .....	all gauges	32'

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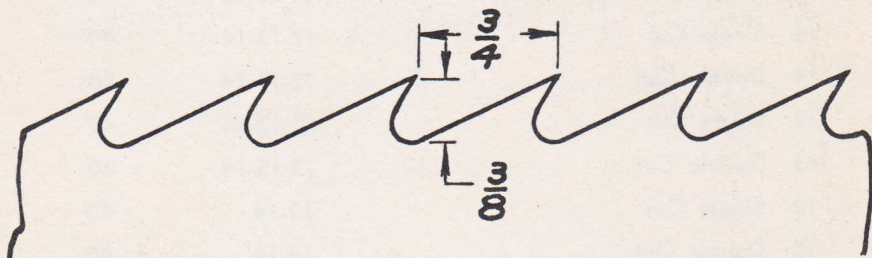


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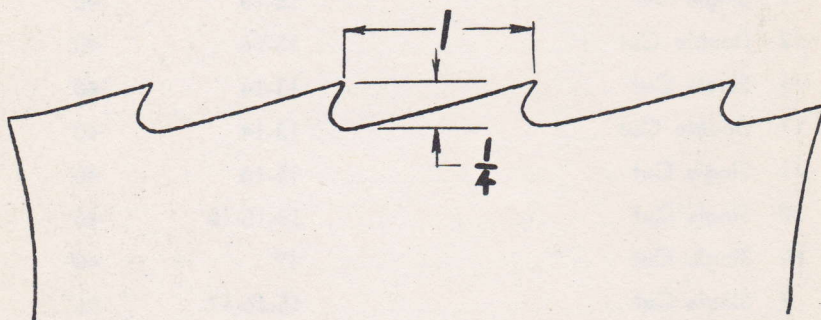
## WIDE BAND SAWS

The following pages are illustrations of SPEAR & JACKSON Standard Band Saw Teeth, showing style, tooth spacing, and gullet depth. These Teeth are designed to swage, shape, and sharpen to the best advantage. They have proven in service to be the most efficient and rugged teeth designed. When ordering be sure to specify the following: Tooth Spacing, Gullet Depth, Style Number.

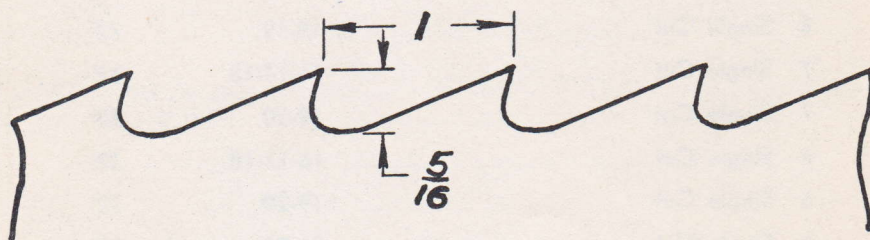
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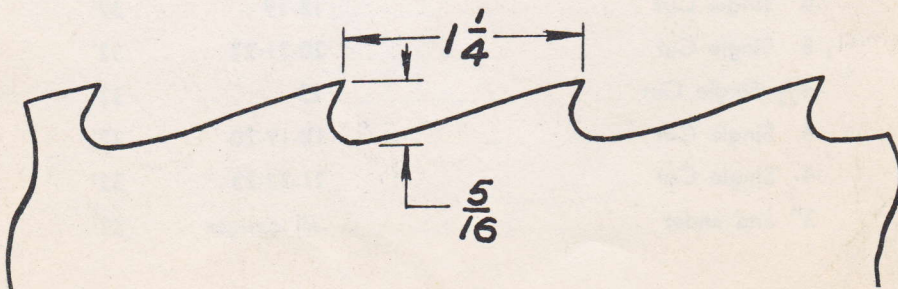
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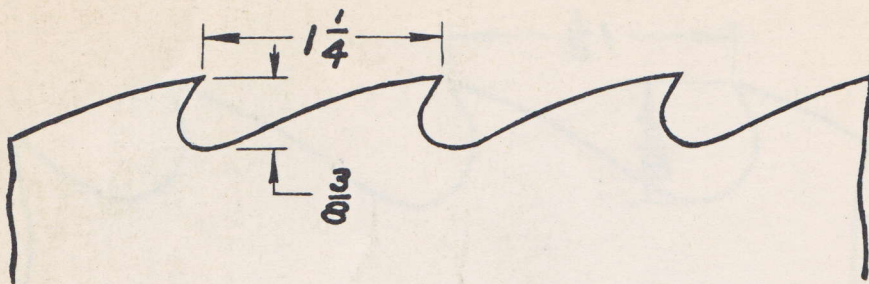
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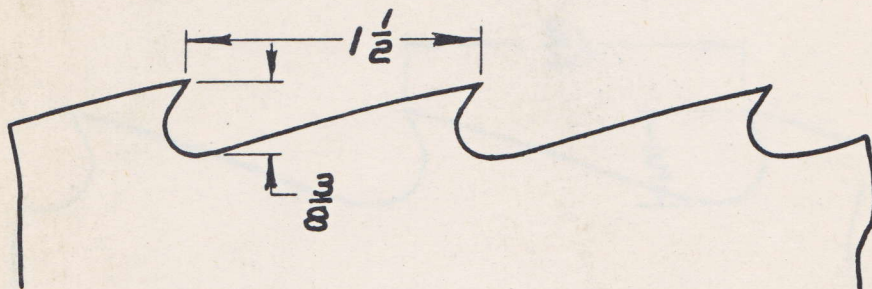
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WIDE BAND SAWS

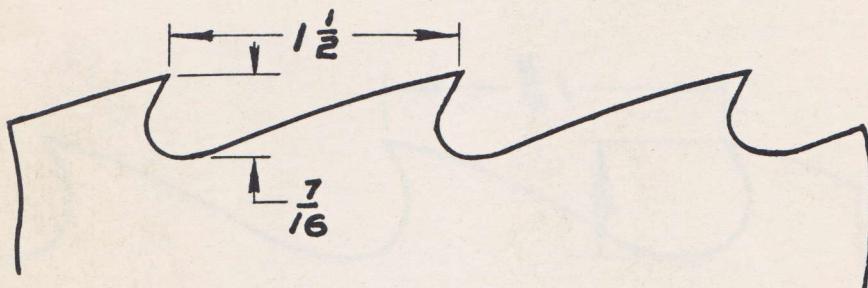
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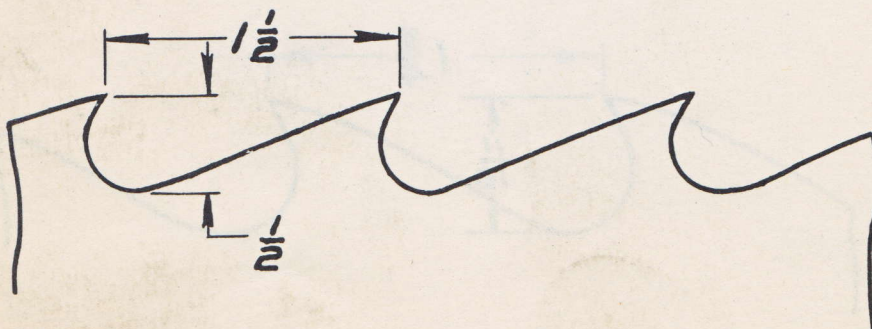
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**BE**



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**BU**

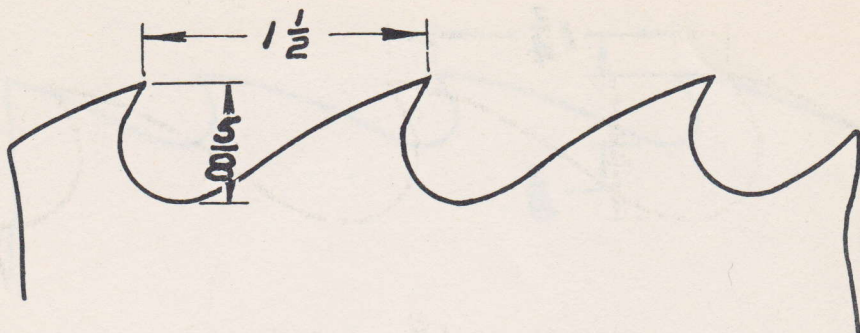


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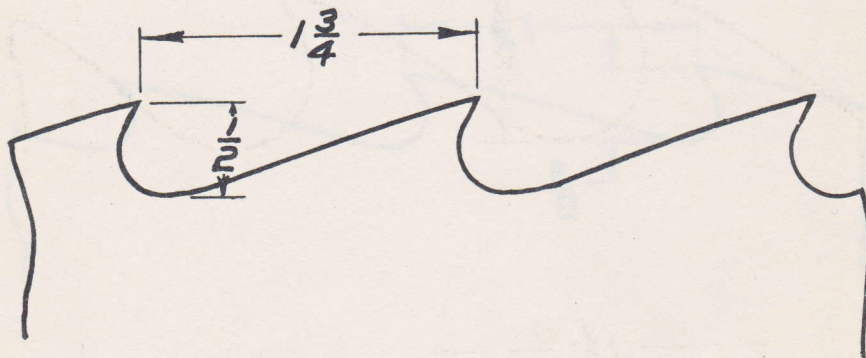


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**WIDE BAND SAWS**

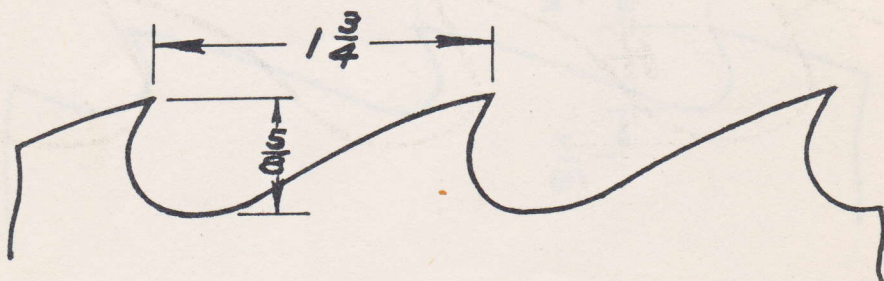
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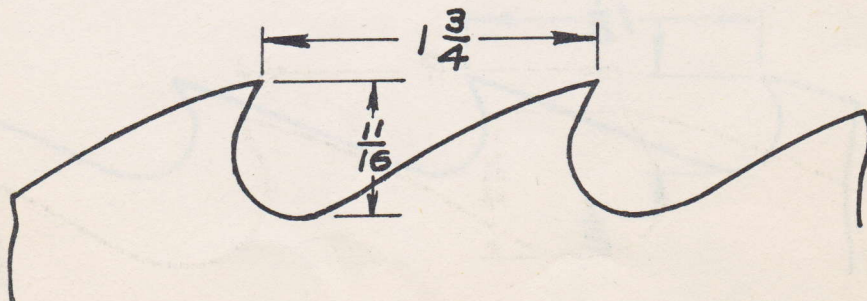
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**BG**



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**BJ**



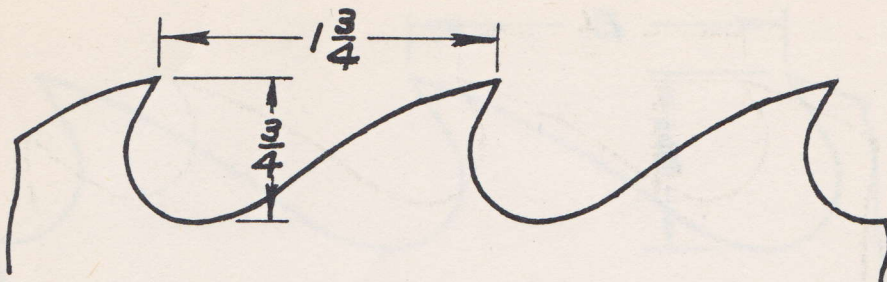
*"The Saw Without a Flaw"*



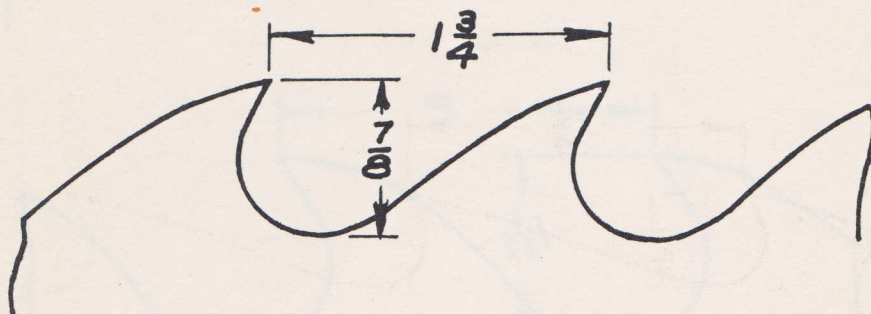
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## WIDE BAND SAWS

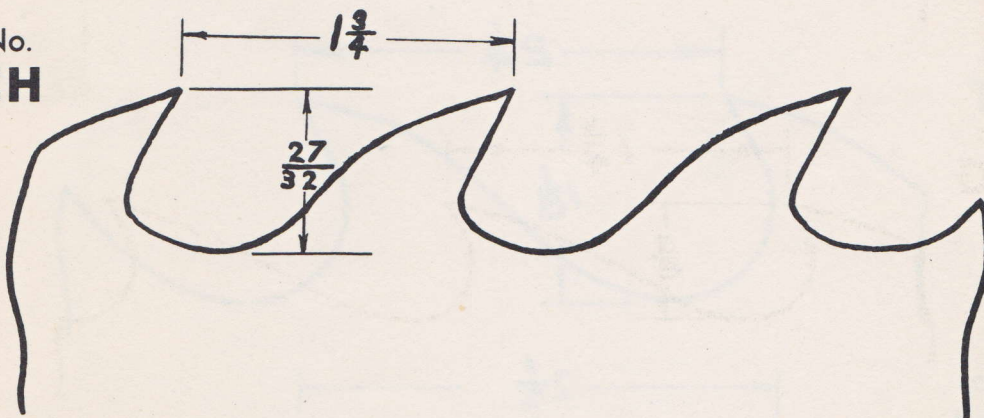
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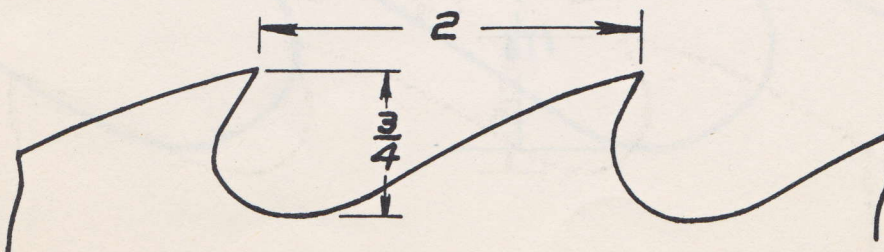
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**CH**



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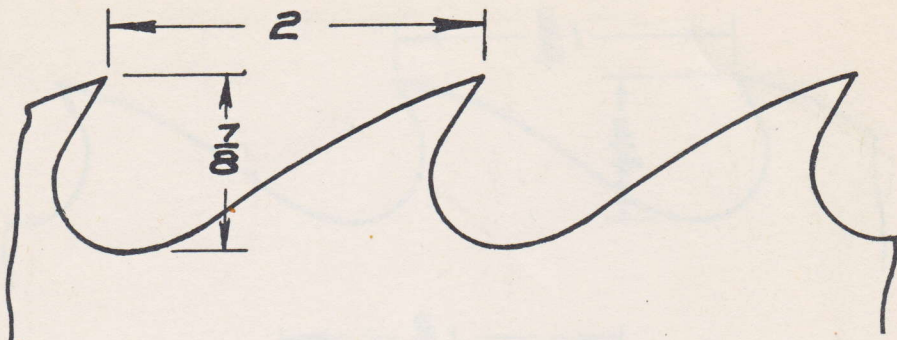


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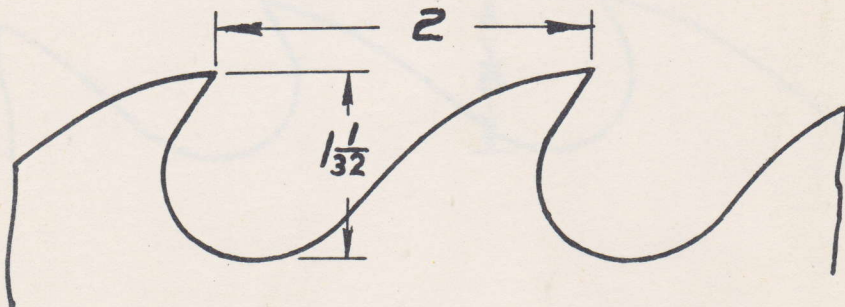


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WIDE BAND SAWS

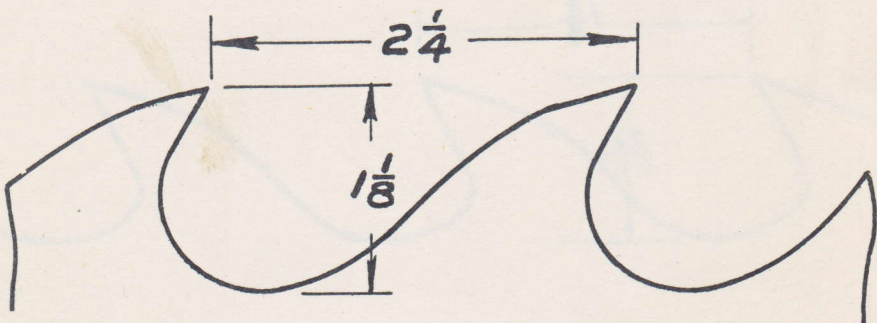
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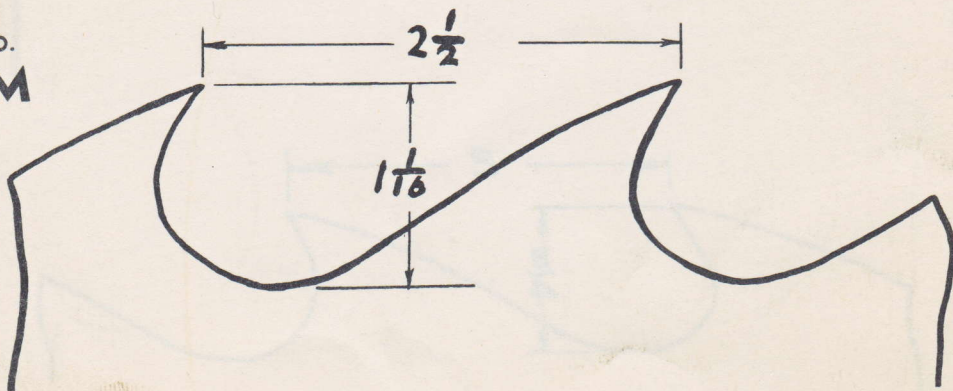
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**BL**



No.  
**BT**



No.  
**BM**

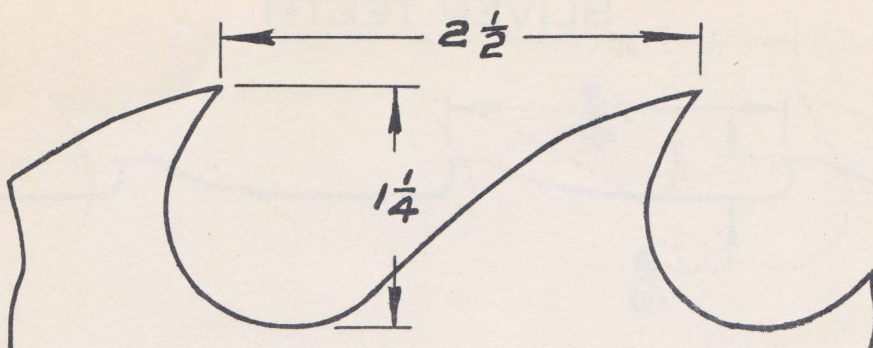


*"The Saw Without a Flaw"*

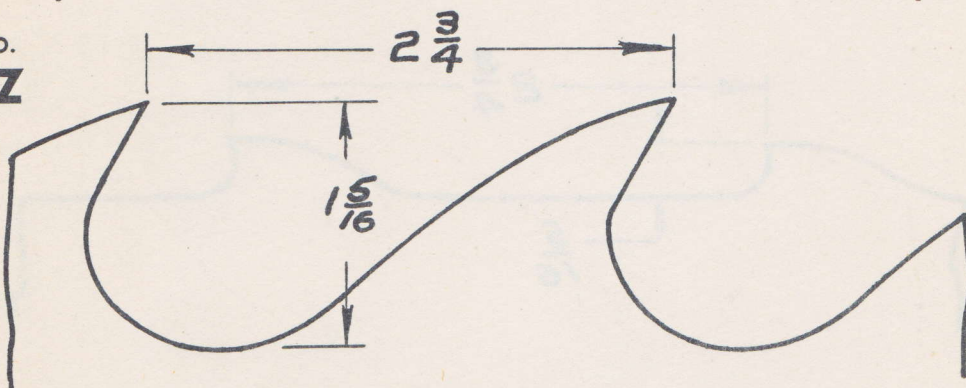


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WIDE BAND SAWS

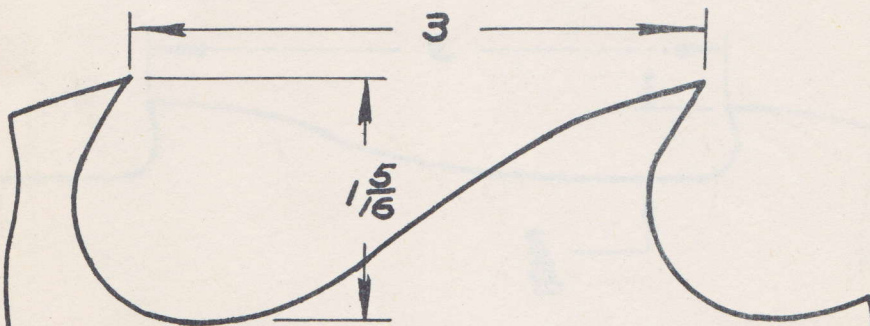
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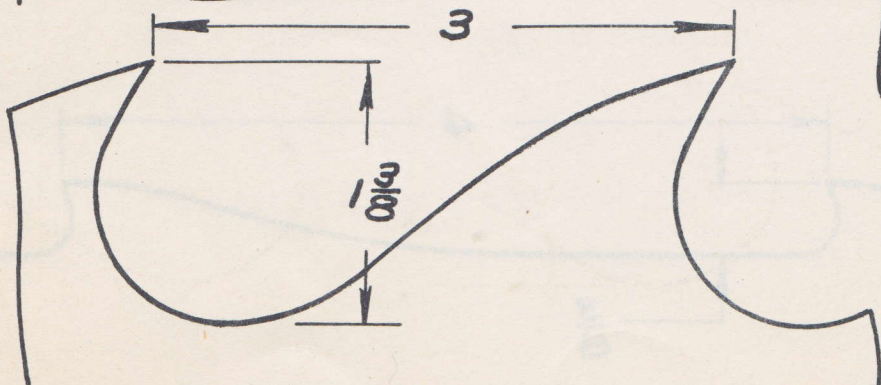
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No.  
**BP**



No.  
**BQ**

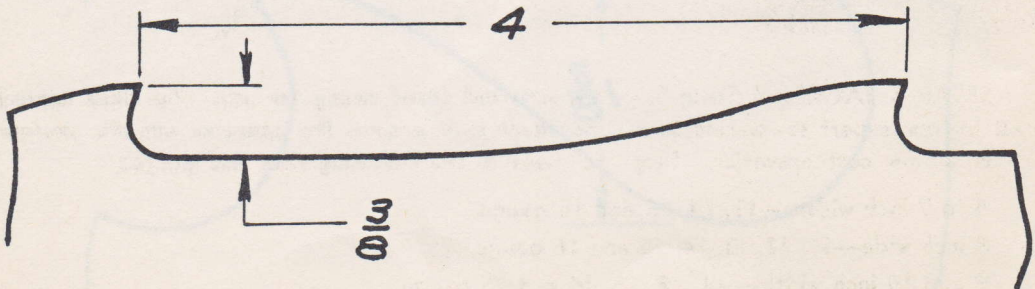
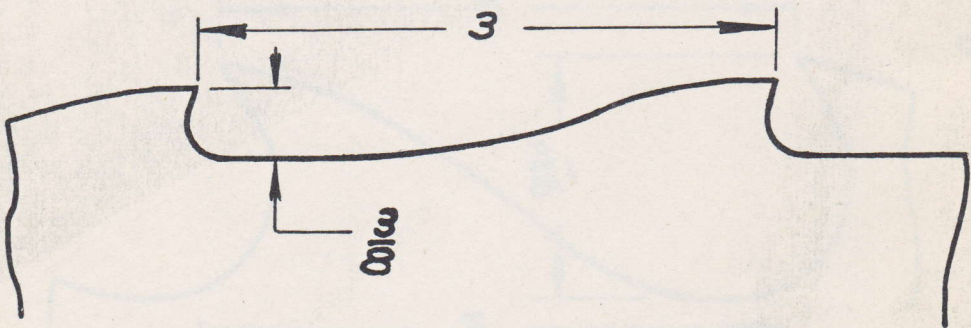
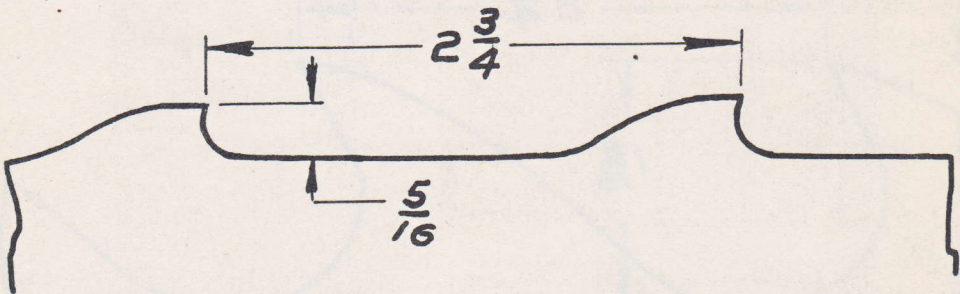
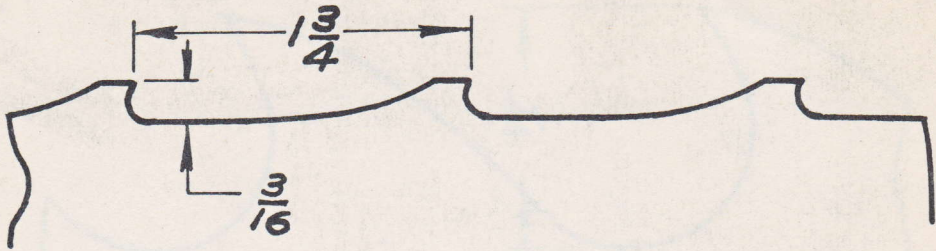


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WIDE BAND SAWS  
SLIVER TEETH

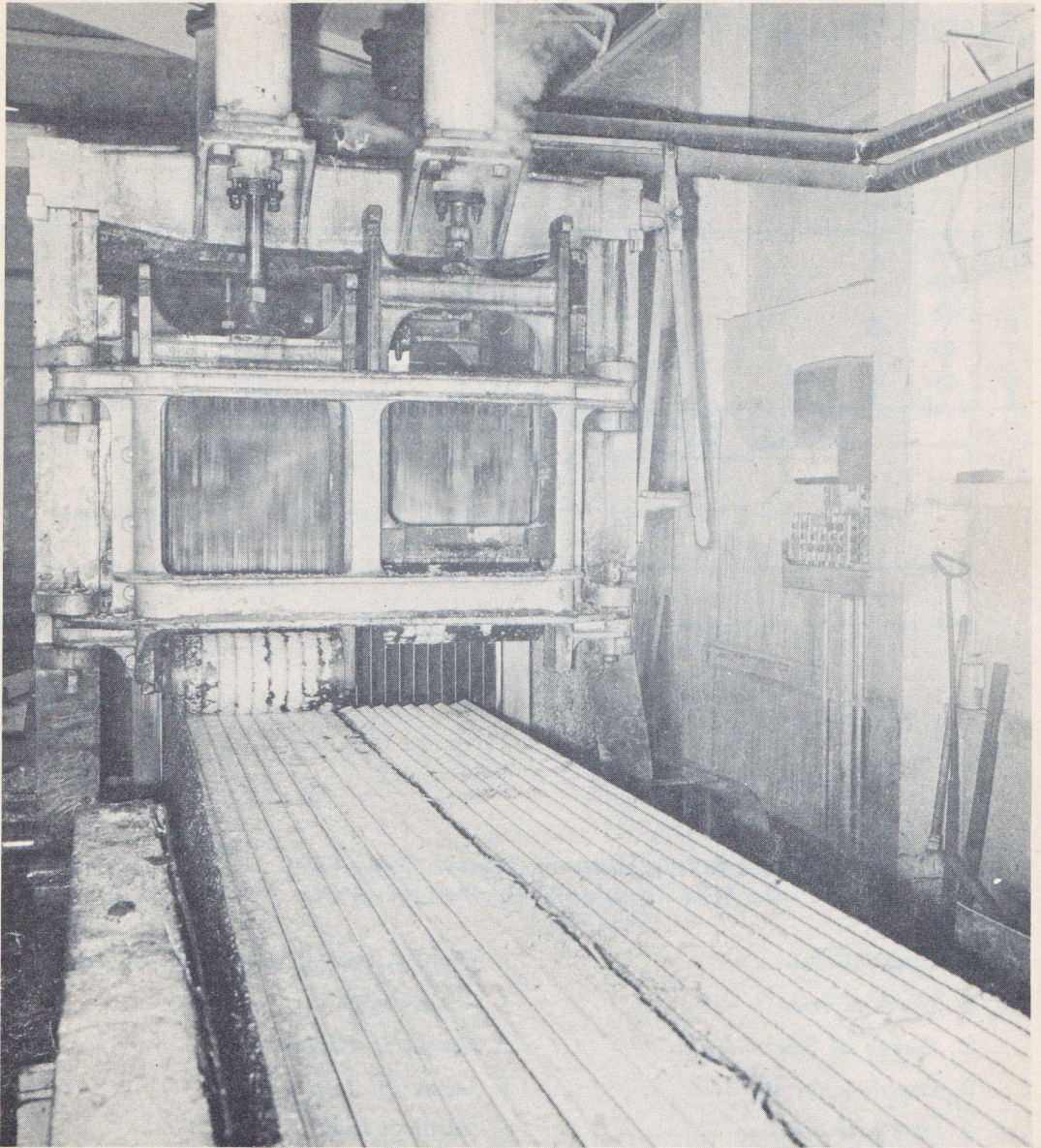


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## GANG SAWS



SPEAR & JACKSON Gang Saws are supplied fitted ready for use. The close control used by our expert sawmakers in making these saws ensures the operator smooth, straight lumber at low cost operation. They are made in the following sizes and gauges:

4 to 7 inch widths—13, 14, 15 and 16 gauge.

8 inch wide—11, 12, 13, 14, 15 and 16 gauge.

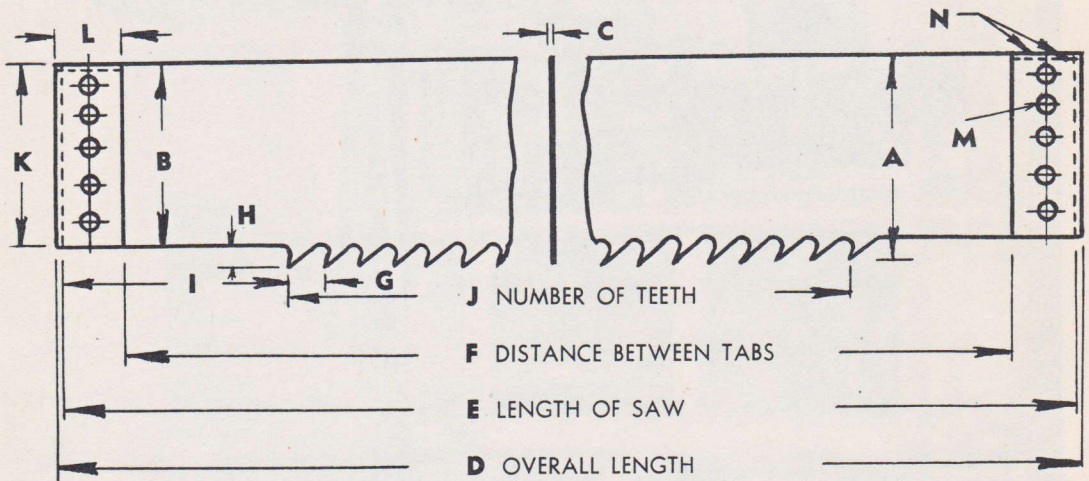
9 and 10 inch widths—11, 12, 13, 14 and 15 gauge.

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# *Spear & Jackson* GANG SAWS

## *Instructions for Ordering . . .*



### **When Ordering Spear & Jackson Gang Saws Be Sure To Specify The Following:**

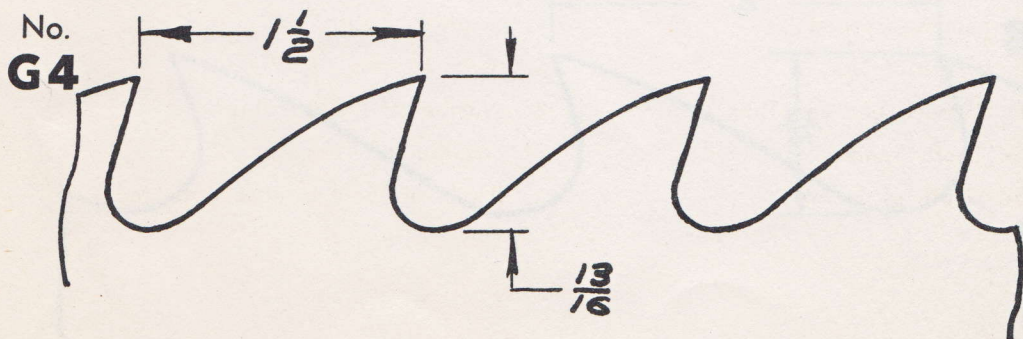
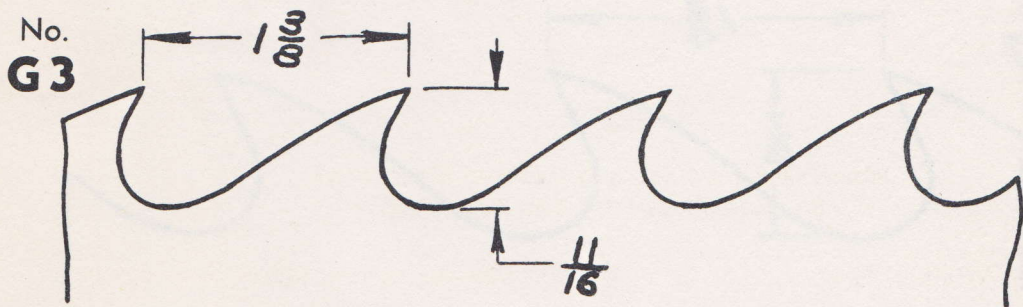
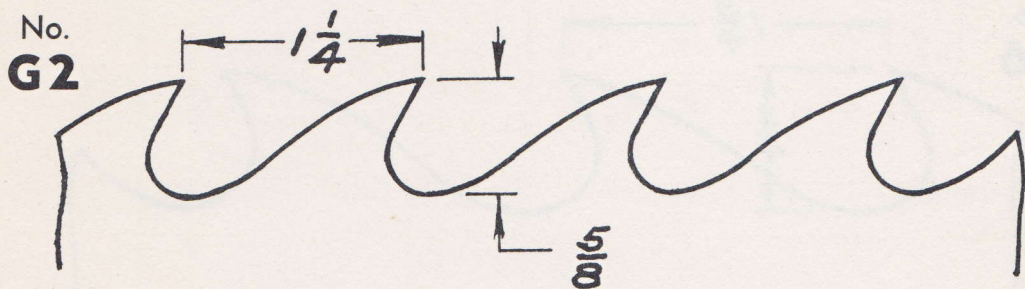
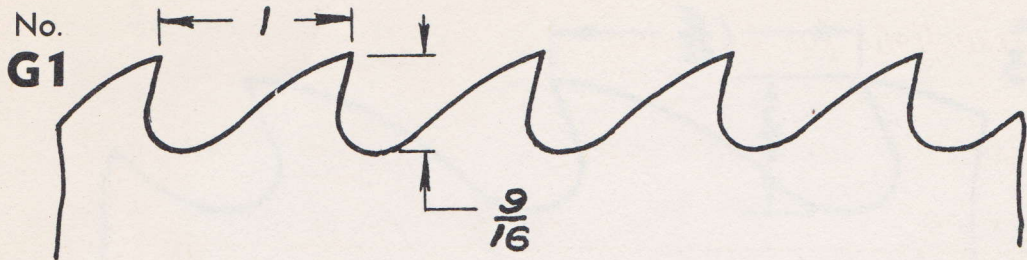
- |   |  |
|---|--|
| <p>A. Width of Saw.</p> <p>B. Width of Ends.</p> <p>C. Gauge of Saw.</p> <p>D. Length—over all.</p> <p>E. Length of Saw.</p> <p>F. Distance between Tabs.</p> <p>G. Tooth Space.</p> <p>H. Depth of Gullet.</p> | <p>I. Distance bottom end of Saw to point of first tooth.</p> <p>J. Number of Teeth.</p> <p>K. Length of Tabs.</p> <p>L. Width of Tabs.</p> <p>M. Number of Holes in Tabs.</p> <p>N. Location of Tabs.<br/>(Flush with back or equally divided?)</p> |
|---|--|

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## GANG SAWS

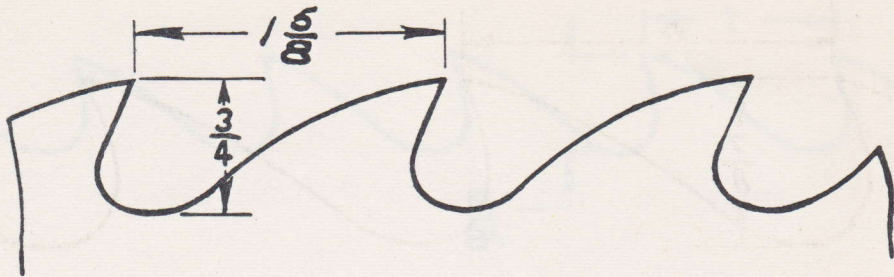


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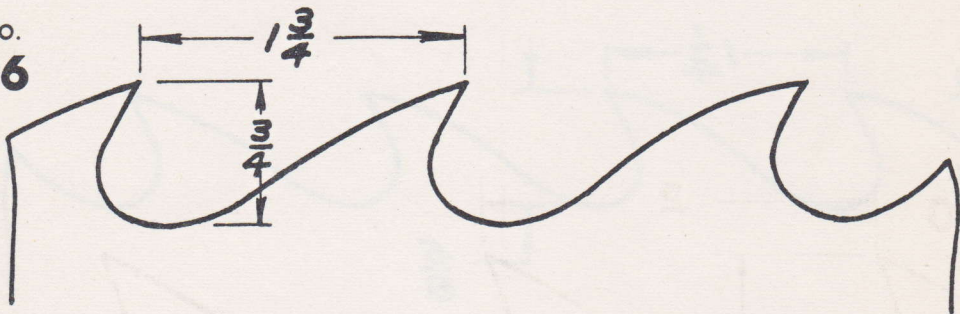


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GANG SAWS

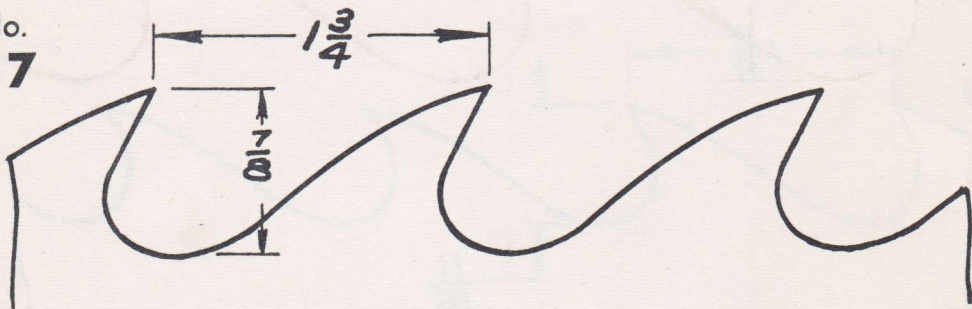
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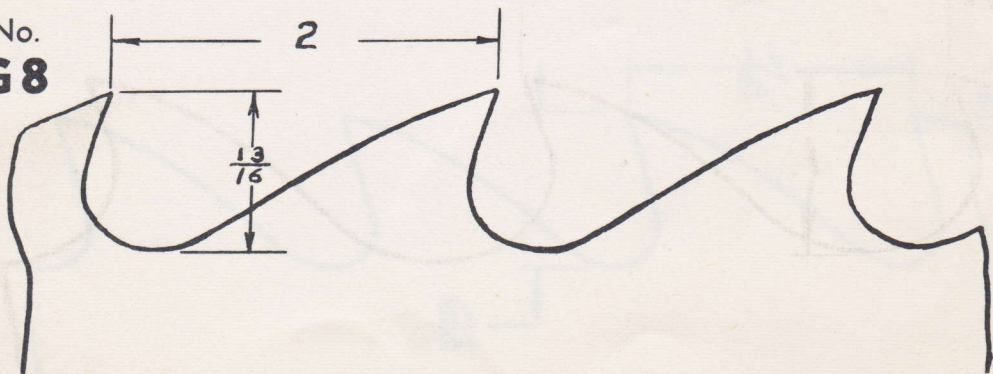
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**G6**



No.  
**G7**



No.  
**G8**

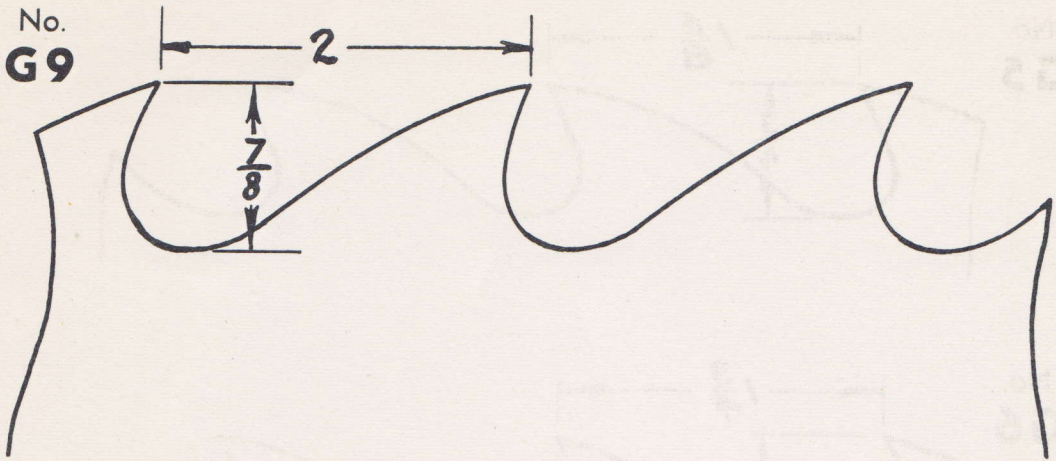


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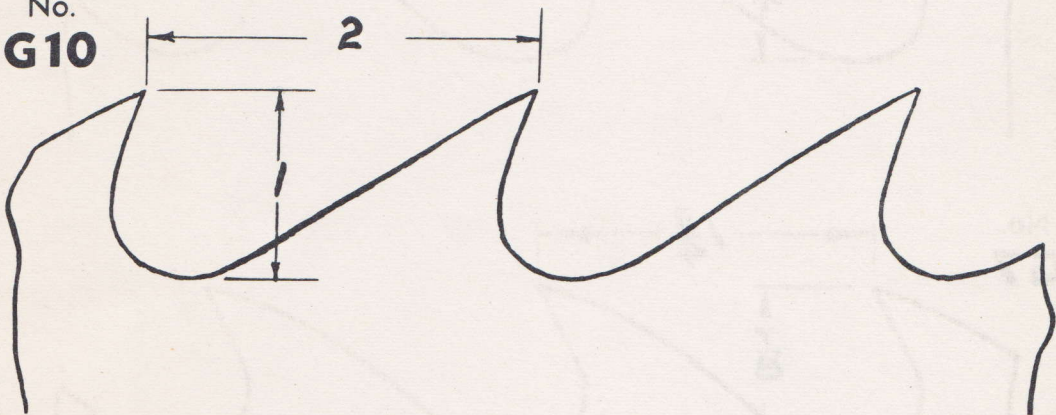


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GANG SAWS

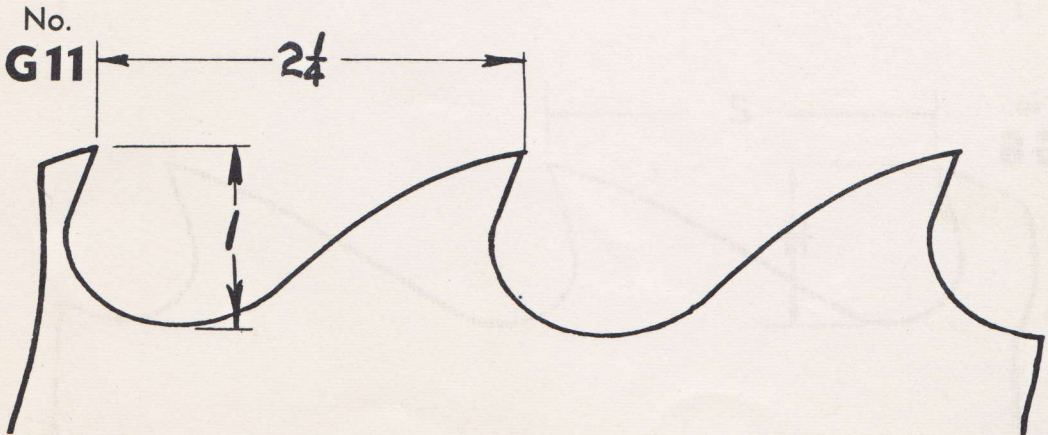
No.  
**G9**



No.  
**G10**



No.  
**G11**



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# NOTES

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